

Supplementary Tables

Table S1: Diet Composition and Chemical Analysis

Diet composition	% on as-is
mixed hay	2,5
alfalfa hay	15,3
triticale silage	45,8
barley grain meal	14,0
mais grain meal	11,5
soybean meal	6,4
mineral/vitamin/buffer	4,6
Chemical analysis	
SS (g/kg as fed)	696,97
ADF (g/kg DM)	257,20
NDF (g/kg DM)	448,80
FG (g/kg DM)	213,77
PG (g/kg DM)	154,84
ADL (g/kg DM)	48,31
ash (g/kg DM)	60,90
EE (g/kg DM)	32,50
NSC (g/kg DM)	302,96

Table S2: Chemical Characterization of the Rumen Environment (Means \pm SD)

Component	
N-NH ₃ (mg/ml)	0,25 \pm 0,13
VFA tot (g/l)	7,02 \pm 1,14
VFA tot (mM)	99,48 \pm 15,58
Lactate (mM)	1,68 \pm 0,89
Acetate (mM)	59,79 \pm 10,01
Propionate (mM)	13,80 \pm 3,49
I-Butyrate (mM)	2,82 \pm 0,63
Butyrate (mM)	12,98 \pm 4,99
I-Valerate (mM)	4,35 \pm 2,61
Valerate (mM)	3,40 \pm 1,28